
**Protective equipment for martial
arts —**

**Part 6:
Additional requirements and test
methods for breast protectors for
females**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html

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A list of all parts in the ISO 21924 series can be found on the ISO website.

ISO 21924-6:2017

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Protective equipment for martial arts —

Part 6: Additional requirements and test methods for breast protectors for females

1 Scope

This document specifies additional requirements and test methods for breast protectors for females used in unarmed martial arts such as taekwondo, karate, kick-boxing and similar disciplines

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 21924-1:2017, *Protective equipment for martial arts — Part 1: General requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 21924-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

under bust girth

horizontal girth of the body immediately below the breasts measured as for the bust girth

4 Requirements

4.1 General

The general requirements for breast protectors for females shall be the same as those given in ISO 21924-1.

Edges of hard material shall be

- a) covered with soft padding material, or
- b) so designed that they end parallel to the body surface.

Breast protectors for females shall be so designed that they adapt to the breast of the wearer.

4.2 Sizing

Breast protectors shall be sized against the wearer's under bust girth and the brassière cup size which is normally worn.

The size shall be marked on the protector. It shall be explained in the information supplied by the manufacturer.

4.3 Combinations

Breast protectors can be used in combination with other protectors used in martial arts.

If combined use is allowed, the requirements specified for the individual protector shall also apply. Possible combinations shall be indicated in the information supplied by the manufacturer. If combined use is not allowed by the manufacturer, this restriction shall be clearly indicated in the information supplied by the manufacturer.

4.4 Restraint

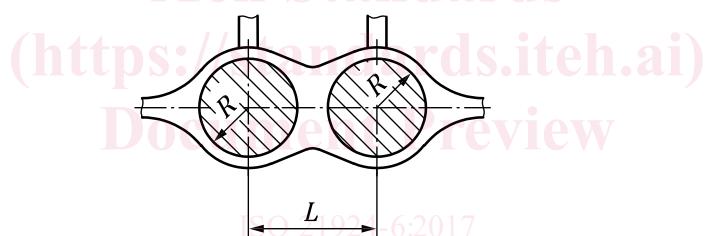
A restraint system shall be supplied by the manufacturer which enables the user to attach the breast protector without any assistance.

The restraint system shall meet the requirements defined in ISO 21924-1:2017, 4.3.

4.5 Zone of protection

Location and dimensions of the zone of protection shall be as given in [Figure 1](#) and [Table 1](#).

In case of domed breast protector, [Figure 1](#) and [Table 1](#) define the dimensions of a plane projection of the zone of protection.



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Figure 1 — Location and dimensions of the zone of protection of breast protectors

Table 1 — Zone of protection of breast protectors for females

Dimensions in centimetres

Wearer's under bust girth	Brassière cup	<i>l</i>	<i>R</i> min.
<70	AA, A, B	14 ± 2	4,5
	C, D	15 ± 2	5,5
70 to 80	A, B	15 ± 2	5,0
	C, D	16 ± 2	6,0
>80 to 90	A, B	16 ± 2	5,5
	C, D	17 ± 2	6,5
>90 to 100	A, B	17 ± 2	6,0
	C, D	18 ± 2	7,0
	E to G	19 ± 2	8,0
>100	A, B	19 ± 2	7,0
	C, D	20 ± 2	8,0
	E to H	21 ± 2	9,0